AMENDED CLAIMS

[received by the International Bureau on 14 July 2005 (14.07.2005);
original claims 1-9 replaced by amended claims 1-8 (2 pages)]

What is claimed is:

1. A board mounted power connector for electrically connecting a mating power connector to a circuit board, comprising:

an insulating shell (10) with an outer surface (103), an accommodating cavity (104), and an engaging member (107);

a first terminal (20) held in the insulating shell (10) and including a contact part (202) extending into the accommodating cavity of the insulating shell;

a second terminal (30) including a metal housing (301) covering the outer surface (103) of the insulating shell, the metal housing (301) including an underside adapted to be soldered to the circuit board, the second terminal including a first resilient arm (303) extending from the metal housing into the accommodating cavity of the insulating shell, the metal housing (301) including an engaging arm (307) formed on one side wall with the engaging arm adapted to engage the engaging member (107) of the insulating shell when the second terminal (30) is secured in a final position over the insulating shell..

2. The power connector as claimed in claim 1, wherein the insulating shell further includes holes (108,109) corresponding to the first resilient arm (303) which extends into the accommodating cavity (104) of the insulating shell through the holes.

3. The power connector as claimed in claim 1, wherein the first terminal (20) further comprises a body (201) and a leg part (203), the body adapted to connect to the contact part (202) and the leg part and the insulating shell including a fixing slot (105) with the body (201) of the first terminal fixed in the fixing slot and the leg part extending beyond the insulating shell.

4. The power connector as claimed in claim 3, wherein a protruding part (204) is in the body (201) of the first terminal (20), the protruding part adapted to be forced into the inner walls of the fixing slot (105) to fix the terminal in the housing.

5. The power connector as claimed in claim 1, wherein the metal housing (301) of the second terminal (30) has a first opening (302) cut from one side of the metal housing and

the first resilient arm (303) extends inwardly from the first opening in the one side of the metal housing.

6. The power connector as claimed in claim 5, wherein the metal housing (301) of the second terminal (30) has a second resilient arm (305) stamped from said side, the second resilient arm extending into the accommodating cavity (104) of the insulating shell.

7. The power connector as claimed in claim 1, wherein the insulating shell (10) has a flange (106) formed at an outer edge of a front end face 101 and the metal housing 301 further including a front which supports the flange (106) of the insulating shell.

8. The power connector as claimed in claim 1, wherein a third opening (306) is cut in the one side wall of the metal housing (301) and the engaging arm (307) extends inward from the one side of the third opening.